CLAIMS

1. A method for framing packets in a wireless transmission system
2 supporting broadcast transmissions, the method comprising:

    generating a portion of an Internet Protocol (IP) packet for transmission;
4   appending a start of frame indicator to the portion of the IP packet;

    applying an error checking mechanism to the portion of the IP packet;
6   preparing a frame for transmission, having the start of frame indicator,

    the portion of the IP packet, and the error checking mechanism;
8   and

    transmitting the frame without protocol information.

2. The method as in claim 1, wherein the start of frame indicator is a
2 predetermined sequence of bits, the method further comprising:

    if the portion of the IP packet contains the predetermined sequence of
4   bits, inserting a classifier into the portion of the IP packet.

3. The method as in claim 2, wherein the classifier corresponds to an escape
2 character.

4. The method as in claim 1, wherein the error checking mechanism is a frame
2 check sequence.

5. A communication signal transmitted via a carrier wave, comprising:
2   a payload portion corresponding to at least a portion of an Internet

    Protocol (IP) packet of digital information;
4   a start of frame portion corresponding to the payload portion, and

    identifying a status of the payload portion within an IP packet;
6   and an error checking portion for verifying the payload portion.

6. The method as in claim 5, wherein the start of frame portion is a
2 predetermined sequence of bits, and

wherein if the payload portion contains the predetermined sequence of

4   bits, the payload portion further comprises:
         a classifier portion.

7.   A method for receiving framed packets in a wireless transmission system

2   supporting broadcast transmissions, the method comprising:
         receiving a frame of a packet transmission, the frame having a start of

4   frame portion, a payload portion, and an error check portion, the
             frame not including protocol information;

6   identifying the frame as a start frame in the packet transmission;
          verifying the frame using the error check portion of the frame; and

8   processing the payload portion of the frame.

8.   The method as in claim 7, wherein if the start of frame indicator is a

2   predetermined sequence of bits, and
wherein if the payload portion contains the predetermined sequence of bits, the

4   payload portion further includes a classifier to identify the predetermined
           sequence of bits in the payload.

9.   The method as in claim 8, wherein the classifier defines an escape

2   character.

10. The method as in claim 8, further comprising:

2   identifying the classifier in the payload; and
           processing the payload without the classifier.

11. The method as in claim 1, wherein the error checking portion is a frame

2   check sequence.

12.   An apparatus for framing packets in a wireless transmission system

2   supporting broadcast transmissions, the apparatus comprising:
         means for generating a portion of an Internet Protocol (IP) packet for

4   transmission;

means for appending a start of frame indicator to the portion of the IP

6   packet;

means for applying an error checking mechanism to the portion of the IP

8   packet;

means for preparing a frame for transmission, having the start of frame

10   indicator, the portion of the IP packet, and the error checking

mechanism; and

12   means for transmitting the frame without protocol information.

13.   An apparatus for receiving framed packets in a wireless transmission

2   system supporting broadcast transmissions, the apparatus comprising:

means for receiving a frame of a packet transmission, the frame having a

4   start of frame portion, a payload portion, and an error check

portion, the frame not including protocol information;

6   means for identifying the frame as a start frame in the packet

transmission;

8   means for verifying the frame using the error check portion of the frame;

and

10   means for processing the payload portion of the frame.

14.   A computer program stored on a computer-readable storage unit, the

2   computer program for framing packets in a wireless transmission system

supporting broadcast transmissions, the computer program comprising:

4   a first set of instructions for generating a portion of an Internet Protocol

(IP) packet for transmission;

6   a second set of instructions for appending a start of frame indicator to the

portion of the IP packet;

8   a third set of instructions for applying an error checking mechanism to the

portion of the IP packet;

10   a fourth set of instructions for preparing a frame for transmission, having

the start of frame indicator, the portion of the IP packet, and the

12   error checking mechanism; and

a fifth set of instructions for transmitting the frame without protocol

14   information.

15. An computer program stored on a computer-readable storage unit, the

2   computer program for receiving framed packets in a wireless transmission

system supporting broadcast transmissions, the computer program

4   comprising:

a first set of instructions for receiving a frame of a packet transmission,

6   the frame having a start of frame portion, a payload portion, and

an error check portion, the frame not including protocol

8   information;

a second set of instructions for identifying the frame as a start frame in

10   the packet transmission;

a third set of instructions for verifying the frame using the error check

12   portion of the frame; and

a fourth set of instructions for processing the payload portion of the

14   frame.